

Form PTO-1449 (Modified)		Atty Docket No.	Serial No.
<b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>		VELOP0114US	10/765,705
AUG 31 2005 (Use several sheets if necessary)		Applicant: Tonkovich et al.	
		Filing Date	Group
		01/27/04	1754

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date (MM/YYYY)	Name	Class	Sub-class	Filing Date if Appropriate

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date (MM/YYYY)	Country	Class	Sub-class	Translation
						Yes No

## OTHER ART

Examiner Initial	Author, Title, Date, Pertinent Pages, etc.
WAL	Kumar et al.; "Direct Synthesis of Hydrogen Peroxide"; Paper 546e, AIChE Annual Meeting 2004; 2004 UOP LLC. (no month)
WAL	VandenBussche; "Direct Synthesis of Hydrogen Peroxide: Fundamentals and Conceptual Designs"; GFF 05 Symposium, March 1, 2005; 2005 UOP LLC.

EXAMINER

*Wayne A. Lang*

DATE CONSIDERED

*9-12-05*

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Z:\SEC132\NAD\velocys\114\IDS 6.wpd (IDS1449.FRM) (2/97)

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## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date (MM/YYYY)	Country	Class	Sub-class	Translation	
						Yes	No
wal	02/18042 A1	07/03/02	WO	—	—		
wal	03/048034 A1	12/06/03	WO	—	—		
wal	2004/092771 A1	28/10/04	WO	—	—		
wal	198 16 296 A1	11/4/99	DE	—	—	X	

## OTHER ART

Examiner Initial	Author, Title, Date, Pertinent Pages, etc.
wal	International Search Report and Written Opinion, Application No. PCT/US2004/041621, mailed April 11, 2005.
wal	Janicke et al.; "The Controlled Oxidation of Hydrogen from an Explosive Mixture of Gases Using a Microstructured Reactor/Heat Exchanger and Pt/Al <sub>2</sub> O <sub>3</sub> Catalyst; Journal of Catalysis, 191, pp., 282-293; 2000. (no month)
EXAMINER	DATE CONSIDERED

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## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date (MM/YYYY)	Country	Class	Sub-class	Translation
						Yes No
wal	2004/091771 A1	20/10/2004	WO			Abstract

## OTHER ART

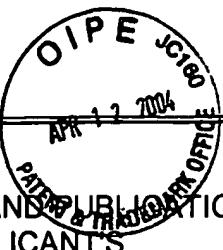
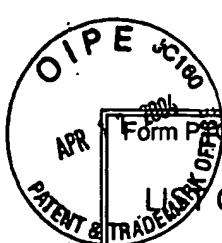
Examiner Initial	Author, Title, Date, Pertinent Pages, etc.	

EXAMINER	<i>Wayne L. Farrel</i>	DATE CONSIDERED <i>9-12-05</i>
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Applicant: Tonkovich et al.			
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## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
wjl	3,336,112	08/15/67	Hooper	23	207	
wjl	4,389,390	06/21/83	Dalton Jr. et al.	423	584	
wjl	4,392,362	07/12/83	Little	62	514	
wjl	4,516,632	05/14/85	Swift et al.	165	167	
wjl	4,576,687	03/18/86	Hertl et al.	204	157.5	
wjl	4,681,751	07/21/87	Gosser	423	584	
wjl	4,772,458	09/20/88	Gosser et al.	423	584	
wjl	4,832,938	05/23/89	Gosser et al.	423	584	
wjl	4,889,705	12/26/89	Gosser	423	584	
wjl	5,104,635	04/14/92	Kanada et al.	423	584	
wjl	5,135,731	08/04/92	Gosser et al.	423	584	
wjl	5,309,637	05/10/94	Moriarty	29	890.054	
wjl	5,317,805	07/07/94	Hoopman et al.	29	890.03	
wjl	5,611,214	03/18/97	Wegeng et al.	62	498	
wjl	5,727,618	03/17/98	Mundinger et al.	165	80.4	
wjl	5,811,062	09/22/98	Wegeng et al.	422	129	
wjl	5,853,693	12/29/98	Ogasawara et al.	423	588	
wjl	5,858,314	01/12/99	Hsu et al.	422	211	
wjl	6,126,723	10/03/00	Drost et al.	96	4	
wjl	6,126,914	10/03/00	Ogasawara et al.	423	588	
wjl	6,216,343 B1	04/17/01	Leland et al.	29	890.032	
wjl	6,129,973	10/10/00	Martin et al.	428	166	
wjl	6,192,596 B1	02/27/01	Bennett et al.	34	76	
wjl	6,200,536 B1	03/13/01	Tonkovich et al.	422	177	
wjl	6,220,497 B1	04/24/01	Benz et al.	228	118	

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
WAL	6,224,845 B1	05/01/01	Pennetreau et al.	423	584	
WAL	6,230,408 B1	05/15/01	Ehrfeld et al.	29	890.039	
WAL	6,313,393 B1	11/06/01	Drost	136	201	
WAL	6,342,196 B2	01/29/02	Beckman et al.	423	588	
WAL	6,352,577 B1	03/05/02	Martin et al.	96	4	
WAL	6,381,846 B2	05/07/02	Insley et al.	29	890.039	
WAL	6,415,860 B1	07/09/02	Kelly et al.	165	748	
WAL	6,488,838 B1	12/03/02	Tonkovich et al.	208	108	
WAL	6,540,975 B2	04/01/03	Tonkovich et al.	423	659	
WAL	6,576,214 B2	06/10/03	Zhou et al.	423	584	

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-class	Translation
						Yes No
WAL	97/32687	12/09/97	WO			Abstract
WAL	98/55812	10/12/98	WO			
WAL	00/06295	10/02/00	WO			
WAL	01/10773 A1	15/02/01	WO			
WAL	01/12312 A2	22/02/01	WO			
WAL	01/54807 A1	02/08/01	WO			
WAL	01/95237 A2	13/12/01	WO			
WAL	03/078052 A1	25/09/03	WO			
WAL	0 904 608 B1	19/12/01	EP			
WAL	1 362 634 A1	19/11/03	EP			
WAL	03/106386 A2	24/12/03	WO			

## OTHER ART

Examiner Initial	Author, Title, Date, Pertinent Pages, etc.
WAL	Matlosz et al.; "Microreactors as Tools in Chemical Research"; Microreaction Technology; IMRET 5: Proceedings of the Fifth International Conference on Microreaction Technology. ( <u>no date</u> )
WAL	Srinivasn et al.; "Micromachined Reactors for Catalytic Partial Oxidation Reactions"; AIChE Journal; November 1997; Vol. 43, No. 11; pp. 3059-3069.
WAL	TeGrotenhuis et al.; "Optimizing Microchannel Reactors by Trading-Off Equilibrium and Reaction Kinetics through Temperature Management; Prepared for presentation at IMRET 6 - 6 <sup>th</sup> International Conference on Microreaction Technology; March 2002.

Examiner Initial	Author, Title, Date, Pertinent Pages, etc.
WAL	Wegeng et al.; "Compact Fuel Processors for Fuel Cell Powered Automobiles Based on Microchannel Technology"; Fuel Cells Bulletin No. 28; pp. 8-13. (no date)
WAL	Rostami et al.; "Flow and Heat Transfer for Gas Flowing in Microchannels: a Review"; Heat and Mass Transfer 38 (2002) 359-367. (no month)
WAL	Wan et al.; "1-Pentene Epoxidation in Titanium Silicalite-1 Microchannel Reactor: Experiments and Modelling"; Institution of Chemical Engineers; Trans IChemE; Vol. 81, Part 1, August 2003.
WAL	The New Jersey Center for MicroChemical Systems (NJCMCS); "Engineering Research in the Realm of the Very Small"; On-Site Production of Hydrogen Peroxide Using Microchannel Reactor Technology; December 12, 2003; <a href="http://www.njcmcs.org/projects.htm">http://www.njcmcs.org/projects.htm</a> .
WAL	Chemicals Project Fact Sheet; Microchannel Reactor System Design; "Microchannel Reactor Systems Could Allow for Energy-Efficient and Cost-Effective On-Site Hydrogen Peroxide Production"; Office of Industrial Technologies; U.S. Department of Energy; February 2003.
WAL	A New Efficient Safe Direct Hydrogen Peroxide Process; "This New Clean Process May Replace the Existing Solvent-Based, Indirect Process Due To Its Simplicity, Reduced Energy Consumption and Lower Capital/Operating Costs"; Office of Weatherization and Intergovernmental Program; U.S. Department of Energy; August 2002.
WAL	Svajda et al.; "Development of Catalytic Membranes for Direct Synthesis of Hydrogen Peroxide"; Karl-Winnacker-Institut., May 1, 2002.
WAL	Rogers; Process Intensification; American Institute of Chemical Engineers; "Microchannel Reactor System for On-site H <sub>2</sub> O <sub>2</sub> Production by Controlled H <sub>2</sub> /O <sub>2</sub> Reaction"; Topical Conference Proceedings; Spring National Meeting, March 30-April 3, 2003.
WAL	"Catalytic Synthesis of Hydrogen Peroxide"; Chemical Week, September 10, 2003, 39.
WAL	Lietze; "Crimped Metal Ribbon Flame Arrestors for the Protection of Gas Measurement Systems"; Journal of Loss Prevention in the Process Industries, Volume 15, Issue 1, January 2002, pages 29-35 (Abstract).
WAL	Waku et al.; "Effects of O <sub>2</sub> Concentration on the Rate and Selectivity in Oxidative Dehydrogenation of Ethane Catalyzed by Vanadium Oxide: Implications for O <sub>2</sub> Staging and Membrane Reactors"; Ind. Eng. Chem. Res., 2003, 42, 5462-5466. (no month)

EXAMINER	Maryed Farrel	DATE CONSIDERED	9-12-05
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<b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S TRADEMARKS</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <small>(Use several sheets if necessary)</small>		VELOP0114US	10/765,705
		Applicant: Tonkovich et al.	
		Filing Date	Group
		01/27/04	1754

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date (MM/YYYY)	Name	Class	Sub-class	Filing Date if Appropriate
wpl	2004/0156762	08/2004	Schuppich et al.	422	191	
wpl	2004/0144421	07/2004	Parce et al.	137	14	
wpl	2004/0143059	07/2004	Cabrera	524	800	
wpl	2004/0141893	07/2004	Martin	422	198	
wpl	2004/0136902	07/2004	Plath et al.	423	651	
wpl	2004/0132832	07/2004	Espinosa et al.	518	716	
wpl	2004/0131829	07/2004	Joseph et al.	428	166	
wpl	2004/0131507	07/2004	Saitmacher et al.	422	111	
wpl	2004/0131345	07/2004	Kylberg et al.	392	465	
wpl	2004/0130057	07/2004	Mehrabi et al.	264	171.13	
wpl	2004/0127352	07/2004	Jin et al.	502	322	
wpl	2004/0125689	07/2004	Ehrfeld et al.	366	165.1	
wpl	2004/0123626	07/2004	Caze et al.	65	17.2	
wpl	2004/0107831	06/2004	Graham et al.	95	96	
wpl	2004/0104010	06/2004	Kenny et al.	165	80.4	
wpl	6,773,684	08/2004	Lesieur et al.	422	198	
wpl	6,770,245	08/2004	Akporiaye et al.	422	82.12	
wpl	6,769,444	08/2004	Guzman et al.	137	15.01	
wpl	6,764,660	07/2004	Wiede, Jr. et al.	422	198	
wpl	6,756,515	06/2004	Rende et al.	585	444	
wpl	6,756,340	06/2004	Voskoboynikov et al.	502	328	
wpl	6,755,211	06/2004	O'Connor et al.	137	554	
wpl	6,749,817	06/2004	Mulvaney, III	422	200	
wpl	6,749,814	06/2004	Bergh et al.	422	130	
wpl	6,747,178	06/2004	Harston et al.	570	175	
wpl	6,746,819	06/2004	Schmitz et al.	430	272.1	

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Examiner Initial	Document Number	Date (MM/YYYY)	Name	Class	Sub-class	Filing Date if Appropriate
WAL	6,746,651	06/2004	Ponzo et al.	422	220	
WAL	6,675,875	01/2004	Vafai et al.	165	80.4	

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date (MM/YYYY)	Country	Class	Sub-class	Translation	
						Yes	No
WAL	2004/067708	08/2004	WO	—	—		
WAL	2004/067492	08/2004	WO	—	—	Abs.	
WAL	2004/067444	08/2004	WO	—	—		
WAL	2004/067160	08/2004	WO	—	—		
WAL	2004/062792	07/2004	WO	—	—		
WAL	2004/062791	07/2004	WO	—	—		
WAL	2004/062790	07/2004	WO	—	—		
WAL	2004/054696	07/2004	WO	—	—		
WAL	2004/054013	06/2004	WO	—	—		
WAL	2004/052941	06/2004	WO	—	—	Abs.	
WAL	2004/052530	06/2004	WO	—	—		
WAL	2004/052518	06/2004	WO	—	—	Abs.	
WAL	2004/050799	06/2004	WO	—	—		
WAL	2004/045760	06/2004	WO	—	—	Abs.	
WAL	03/026788	04/2003	WO	—	—		
WAL	1 311 341 B1	08/2001	EP	—	—	X	

## OTHER ART

Examiner Initial	Author, Title, Date, Pertinent Pages, etc.
WAL	Besser, Ronald S. "New Directions in Reactor Design Through Miniaturization". 9/13/02, Tulane Engineering Forum.
WAL	Ouyang et al. "Flexible Microreactor System for Chemical Research at Moderate and High Temperatures". Stevens Institute of Technology. (no date)

EXAMINER	<i>Maryse L. Vafai</i>	DATE CONSIDERED	<i>9-12-05</i>
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